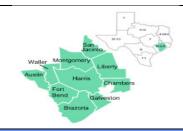
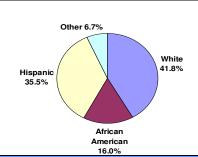
Texas Cardiovascular Health & Wellness Program Texas Department of State Health Services

Cardiovascular Health Facts 2001-2007 Houston-Baytown-Sugar Land Metropolitan Statistical Area (MSA)



Demography of Austin-Round Rock MSA in 2007(Estimated Texas Population)



		Demographics	5	
Age	Total	Males	Females	Percent
0-17	1,491,903	762,776	729,127	27.3
18-29	956,910	498,774	458,136	17.5
30-34	1,294,376	651,385	642,991	23.7
35-64	1,296,846	644,606	652,240	23.7
65+	431,635	188,508	243,127	7.9
Total	5,471,670	2,746,049	2,725,621	100.0

Prevalence of Cardiovascular Disease (CVD) and Stroke Among Adults (≥18) 2007							
	CVD ¹		Heart Disease ²		Stroke		
	Houston MSA	Texas	Houston MSA	Texas	Houston MSA	Texas	
Total	6.8%	8.3%	5.7%	6.7%	2.3%	2.8%	
Male	7.2%	8.6%	6.2%	7.3%	2.6%	2.6%	
Female	6.4%	8.0%	5.1%	6.1%	2.0%	3.0%	
White	8.5%	9.4%	7.2%	7.8%	2.6%	2.9%	
African American	6.5%	8.6%	4.6%	5.7%	3.3%	4.4%	
Hispanic	4.5%	6.4%	3.9%	5.2%	1.3%	2.1%	

CVD and Stroke Age-Adjusted Mortality Rates [®] (per 100,000) 2001-2005							
	CVD		Heart Disease		Stroke		
	Houston MSA	Texas	Houston MSA	Texas	Houston MSA	Texas	
Total	324.3	317.5	241.0	237.6	63.0	58.8	
Male	360.5	356.0	283.3	279.2	56.6	55.1	
Female	292.6	284.0	206.4	203.1	66.4	60.6	
White	325.2	319.2	246.0	241.0	60.1	57.7	
African American	452.3	451.1	327.7	327.6	90.1	87.8	
Hispanic	229.2	259.8	166.0	194 <u>.</u> 6	50.0	48.1	

Hospital Dischar	ge Data ⁴	Texas EMS/Trauma Registry Data ⁵ 2007 (Houston-Baytown-Sugar Land MSA)				
Houston-Baytown-Sugar Land MSA, 2007			Time (Min) for CVD		Time (Min) for Stroke	
	Hospital Charges		Houston MSA	Texas	Houston MSA	Texas
Ischemic Heart Disease	\$1,273,635,712	Response Time = (Time Call Received - Time EMS Arrived on Scene)	7.7	8.3	6.8	9.1
Hemorrhagic Stroke	\$190,929,611	Scene Time = (Time EMS Arrived on Scene – Time EMS Departed Scene	19.1	18.5	18.6	18.1
Ischemic Stroke	\$393,613,880	Transport Time = (Time EMS Departed Scene – Time EMS Arrived at Destination)	13.6	14.5	15.0	14.3
Congestive Heart Failure	\$636,943,227	Delivery Time = (Time Call Received – Time EMS Arrived at Destination)	36.8	39.7	32.7	40.2

¹2007 Texas Behavioral Risk Factor Surveillance System, Statewide BRFSS Survey, for Respondents 18 years and older who report that they have been diagnosed as having had a Heart Attack, Myocardial Infarction, Angina, Coronary Heart Disease, or Stroke.

Texas EMS/Trauma Registry Data Selected in 2007. the selection criteria as:

Respondents 18 years and older who report that they have been diagnosed as having had a Heart Attack or Myocardial Infarction.

³ 2001-2005 Texas Department of State Health Services Vital Statistics. Mortality due to CVD (ICD-10 Code I00-I99); Heart Disease (ICD-10 Code I00-I09, I11, I13, I20-I51); Stroke (ICD-10 Code I60-I69).

⁴ 2007 Texas Health Care Information Collection, Inpatient Hospital Discharge Public Use File, for persons all ages. Ischemic heart disease (ICD-9 Code 410-414); Hemorrhagic

⁴ 2007 Texas Health Care Information Collection, Inpatient Hospital Discharge Public Use File, for persons all ages. Ischemic heart disease (ICD-9 Code 410-414); Hemorrhagic Stroke (ICD-9 Code 430-432); Ischemic Stroke (ICD-9 Code 436-438,433,434); Congestive Heart Failure (ICD-9 Code 428).

[·] Calls received during 2007

[•] Suspected Illness Types include Cardiac Arrest, Cardiac Rhythm Disturbance, and Chest Pain/Discomfort

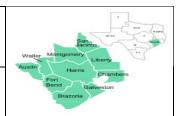
[•] Medical-related calls only (i.e. calls exclusively related to trauma were excluded)

^{• 911} calls only (no inter-facility transfers) Texas residents only

The '-' indicates that the sample size was not a statistically valid sample size (< 50 respondents).

Texas Cardiovascular Health & Wellness Program **Texas Department of State Health Services**

Cardiovascular Health Facts 2005-2007 Houston-Baytown-Sugar Land Metropolitan Statistical Area (MSA)



17.9

		CVD RIS	sk Factors' in 2007		
Diabetes	Houston MSA	Texas	High Blood Cholesterol	Houston MSA	Texas
Total	9.4%	10.4%	Total	39.7%	38.5%
Male	8.9%	9.9%	Male	46.2%	40.7%
Female	9.8%	10.8%	Female	34.0%	36.5%
White	8.3%	8.5%	White	40.1%	40.0%
African American	9.2%	12.9%	African American	33.9%	33.2%
Hispanic	11.2%	12.3%	Hispanic	34.7%	37.3%
Current Smoker	Houston MSA	Texas	High Blood Pressure	Houston MSA	Texas
Total	15.4%	19.3%	Total	29.0%	27.8%
Male	16.8%	21.9%	Male	29.9%	27.7%
Female	14.2%	16.9%	Female	28.0%	30.0%
White	16.4%	20.5%	White	29.5%	29.1%
African American	16.2%	21.4%	African American	43.1%	41.4%
Hispanic	15.0%	17.5%	Hispanic	18.3%	21.7%
Obesity (BMI>=30)	Houston MSA	Texas	No Leisure Time Physical Activity	Houston MSA	Texas
Total	26.2%	28.6%	Total	27.5%	28.3%
Male	26.5%	28.6%	Male	23.6%	25.5%
Female	25.9%	28.5%	Female	31.2%	31.0%
White	24.6%	25.7%	White	21.2%	23.5%
African American	38.4%	38.7%	African American	31.9%	33.7%
Hispanic	26.5%	32.7%	Hispanic	36.1%	34.3%
Poor Nutrition ⁵	Houston MSA	Texas	Youth Risk Factors (2007)	U.S	Texas
Total	74.9%	74.8%	Current cigarette use ²	20.0%	21.1%
Male	77.3%	77.8%	Obesity ³	13.0%	15.9%
Female	72.7%	71.9%	Met recommended levels of	04.70/	40.50/
White	72.3%	73.4%	physical activity4	34.7%	42.5%
African American	79.4% 74.9%	75.7% 75.2%	Ate fruits and vegetables 5 or more times/day	21.4%	17.4%
Hispanic	14.570	13.270	moro umooraay		

Recognition of CVD and Stroke Symptoms¹ (2005) Houston-Baytown-Sugar Land MSA % Of Respondents % Of Respondents Recognizing Recognizing **Heart Attack** Stroke **Symptoms Symptoms** Pain or discomfort in jaw, neck or back 39.1 Sudden confusion or trouble speaking 77.2 Sudden numbness or weakness of face, arms, legs Feeling weak, lightheaded, or faint 55.5 (especially on one side) 88.6 Chest pain or discomfort 86.4 Sudden trouble seeing in one or both eyes 65.6 Sudden trouble seeing in one or both eyes Sudden chest pain or discomfort 30.3 36.4 Sudden trouble walking, dizziness, or loss of Pain or discomfort in the arms or shoulders 79.5 79.0 balance Shortness of breath 78.9 Severe headache with no known cause 57.9 Recognizes all stroke symptoms Recognizes all heart attack symptoms 8.7

Would call 911 as a first response if Heart Attack OR Stroke is suspected - 83.4

http://apps.nccd.cdc.gov/yrbss/QuestYearTable.asp?ByVar=Cl&cat=6&quest=Q80&loc=XX&year=2007

¹2007 Texas Behavioral Risk Factor Surveillance System, Statewide BRFSS Survey, for Respondents 18 years and older who report that they have been diagnosed with high Blood Pressure, but not during pregnancy; Respondents 18 years and older who report that they have been diagnosed with high Blood Cholesterol; Respondents 18 years and older who report that they have been diagnosed with Diabetes. Does not include gestational diabetes

²Percentage of students who smoked cigarettes on at least 1 day during the 30 days before the survey

Obese > 95th Percentile for BMI by Age/Sex http://apps.nccd.cdc.gov/yrbss/QuestYearTable.asp?ByVar=Cl&cat=6&quest=Q80&loc=XX&year=2007

⁴Recommendation: Physical Activity -Percentage of students who were physically active doing any kind of physical activity that increased their heart rate and made them breathe hard some of the time for a total of at least 60 minutes per day on five or more of the 7 days before the survey http://apps.nccd.cdc.gov/yrbss/QuestYearTable.asp?ByVar=Cl&cat=6&quest=Q80&loc=XX&year=2007

⁵ Ate fruits and vegetables less than 5 times/day http://apps.nccd.cdc.gov/yrbss/QuestYearTable.asp?ByVar=Cl&cat=6&quest=Q80&loc=XX&year=2007 The '-' indicates that the sample size was not a statistically valid sample size (< 50 respondents).